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Recent advances in the discovery of potent and selective HDAC6 inhibitors

Xiu-Xiu Wang, Ren-Zhong Wan, Zhao-Peng Liu

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As a typical HDAC6 selective inhibitor, ACY-1215 contains a relatively larger CAP motif, a linker, and a ZBG. ACY-1215 is currently in clinical trials for the treatment of cancers.

NHOH

Cap Linker ZBG

NHOH

ACY-1215,
$$IC_{50} = 4.7 \text{ nM}$$

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